

Figure 1

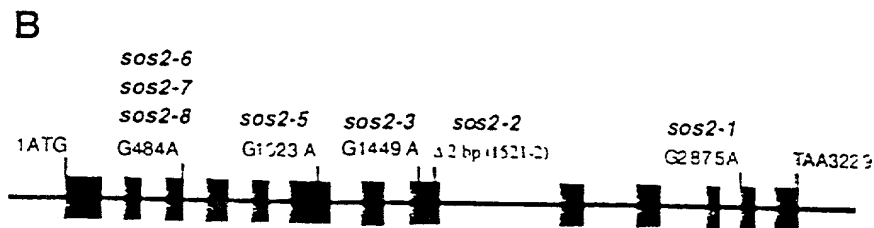
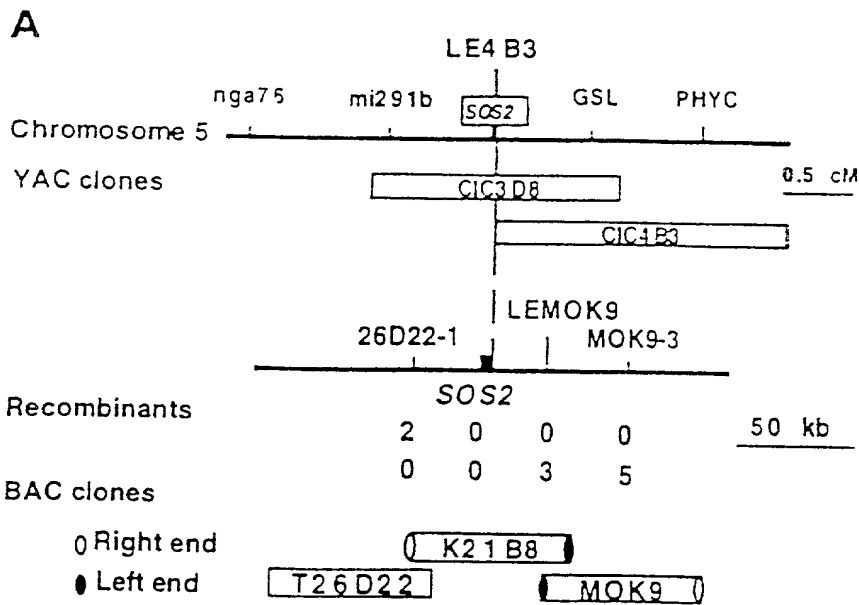


Figure 2

A



B

TCGATCAGATAAAAGTTTGTAAAGA

ATGACAAAGAAAATGAGAAGAGTGGGCAAGTACGAGTTGGTCCACAAATAGGTGAAGGAACCTTTGCTAAGGTTAAG  
 1 M T K K M R R V G K Y E V G R T [ ] [ ] [ ] E [ ] [ ] P A K [ ] K  
 -- I --

TTTGGGAGGAACACAGACACTGGTGATAATGTAGCCATCAAAATTATGGCTAAGAGTACAACTTAAGAACAGAAATG  
 27 F A R N T D T G D N V [ ] [ ] [ ] [ ] A K S T [ ] L K N R M  
 -- II --

GTTGATCAGATAAAAGAGAGATATCTATAATGAAGATTGCTCCACCCGAACATAGTGAAGTTGTATGAGGTTG  
 53 V D Q I K R [ ] [ ] S [ ] M X I V R H P N [ ] V R L Y E V L  
 -- III -- -- IV --

GCSAGTCCCTCGAAAATATATAGTTTGGAGTTGTGACAGGAGAGAGCTCTTTGATAGAAATGTTTCATAAAGGG  
 79 A S P S K [ ] Y I V L E F V T G G E L F D R [ ] V H K G  
 -- V --

AGGCTTGAAGAAATGAGTCTCCGAAATACTTCAACAGCTTGTAGATGCTGTTGCTCATTGTCAGTSCAAGGCTGTT  
 105 R L E E S E S R K Y F Q Q L V D [ ] V A [ ] [ ] H C K G V  
 -- VI --

TACCACCGTGACCTAAGCCAGAAAATCTTTACTCGATACAAATGGAATGGAAGTTCCGATTTGGACTCAGT  
 131 Y [ ] R [ ] [ ] K P S [ ] [ ] L L D T N G N L K [ ] [ ] [ ] L S  
 -- VII --

GCATTGCTCAGGAAGGAGTAGAACTTCTGCTACCATGTTGGAACCTCGAATATATAGCTCCAGAGGTACTTAGT  
 157 A L P Q E G V E L L R T T C G [ ] P N [ ] V [ ] P [ ] V L S  
 -- VIII --

GGACAGGGTTACGATGCTCAGCAGCTGATATTGGTCTTCCGGGTTATGCTTTGCTTATATGGCTGGATATTA  
 183 G Q G Y D G S A A [ ] [ ] [ ] C [ ] [ ] I L F V I L A G Y L  
 -- IX --

CCTTTTCCGAGACGGATCTTCCAGGGTTGTACAGAAAATAAATGCAGCAGAGTTTCTTGTCCACCGTGGTTTTCC  
 209 P F S E T D L P G L Y R K I N A A E F S C P P W F S  
 -- X --

GCAGAAGTGAAGTTTAAATACATAGGATACTTGACCCCAATCCCAAAACAGTATTCAAATCAAGGAATCAAGAAA  
 235 A E V K F L I H R [ ] L D P N P K T R I Q [ ] Q G I K K  
 -- XI --

GATCCTTGGTTTCAGATTAAATTATGTGCTATACGAGCAAGGGAAGAAGAAGTGAATTTGGATGATATTGCTGCA  
 261 D P W F R L N Y V P I R A R E E E E V N L D D I R A

GTTTTSATGGAATTGAGGGCAOTTATGTAGCGGAGAATGTAGAGAGAATGATGAAGGGCCCTGATGATGAATGCC  
 287 V F D G I E G S Y V A E N V E R N D E G P L M M N A

TTTGAGATGATTACCTTATCACAAGGCTTAAATTTATCTGCACTATTGACAGGCGACAGGATTTGTTAAAAGGCA  
 313 F E M I T L S Q G L N L S A L P D R R Q Q D F V K R Q

ACCCGTTTTGTTTTCTCGAAGGGAACCTAGTGAGATAATGCTAACATTGAGGCTGTAGCGAACTCAATGGGTTTTAAG  
 339 T R F V S R R E P S E I I A N I E A V A N S M G F K

TCTCATACAGAACTTCAAGACAAGGCTCGAGGGATTATCTCGATCAAGGCCGACAGTTAGCTGTTGTGATAGAG  
 365 S H T R N F K T R L E G L S S I K A G Q L A V V I E

ATTTAGGAGGTGGCACCATCGCTTTTTCATGGTAGACGTAAAGAAAGGCTGCTGGTGAACCTCTTGAATATCACAAGTTC  
 391 I Y E V A P S L P M V D V R K A A G E T L E Y H K F

TACAAGAAGCTATGTTGGAACCTGGAAAAACATAATATGGAGGGCAACAGAAGGAATACCAAAGTCAGAGATTCTCAGA  
 417 Y K K L C S K L E N I I W R A T E G I P K S E I L R

ACAATCACGTTTTGATCCCAACTTAA  
 437 T I T F

[illegible]

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SOS2      1      MTKMRIRGCRLENGHTLGEETFKYKARNITDTCDNVALKIEASTLNSWVQR
AMPK      1      MASHQKHQDGRVLTCHITGDTLCTGTFGKVRVCEHQITGRKVALKIEKQFISLLEIVCK
SNF1     43      SLADGPHICENTQIVATLGECSFGKVRNLEYHTITGQKVALKIEKQFISLSDIQGR

SOS2     36      IKREITLTKTKRHENIFRLYEVA-SFKKIEIVLEIVGGGELEFRIVERKGRLEESLRRFE
AMPK     61      IKREITQNLKLRHPHITILKLVISNEDISIVLEIVSGGELEFDYICHTRRPESLRRFLF
SNF1    101      IEREISYLRRLRRHPHITILKLVTKKDEILWAEVA-SNELFDYIVQCKKISECARPFE

SOS2    116      QCLVLEVAACHQSGYHREDLKPENILLITNGNIRKISDFGLSEAPQECVELLRITCGEPHY
AMPK    121      QQILSAVDLCHREKLVHREDLKPENILLIPHTPKIADFGLSNITSDCEFLRTSCGSPHY
SNF1    161      QQILSAVETCHREKLVHREDLKPENILLITSHUKIADFGLSNITSDCEFLRTSCGSPHY

          *

SOS2    176      VAPETLSQGGIDLSAPDIWSCGTLLETLPRYLPISATDEGLAKINWTEFSCHPEFSA
AMPK    180      TAPETLSQGLYAGLEVDIWSCGTLLETLQCTLPEDDERHTLEKKNISQVEYVSEENR
SNF1    221      PAPEVISRLVAGPEVLESCOTILYVLEKRFAPETDESIVLEKNTSNQVNEKELSE

SOS2    236      EKKEFLIHEDLDEPHIKTRICIQGRKTEFLRENN
AMPK    240      SVATLIMHILQETPKKEDHIEDIREHGWKQC
SNF1    280      GAAGLIRMLLVNPIRISAEHLYCDQETFD

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SOS2      332  LDEVNHCITRHYSPRPSPSEITIANHEAVANSVLEKS---ETRIKFKTRLEGSSIKAGGLAVV
yCHK1     349  LCPPEPCTREHSPASRDTLIDHLDISLRLLDIEVTNKYTRHOTIDYANLHLEAKCLLOCV
hCHK1     371  LRLVRLTTRHETFLALKSYQCRKSCENLGMQW---KFSCHNQVITSTLRLANKLIKFK

SOS2      389  LEMVYVAPSLEWYVRLAAETLSHKKFENLCNLENTWRATEGEL
yCHK1     449  LEITNCHNLSLNLIRNTHLELDIKKEFNVAISGKFIVLTDVSN
hCHK1     428  VNLLEMD-DKILVDFHLSPIGLIFKRHELEKCELELSSSQKWDI

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Figure 4

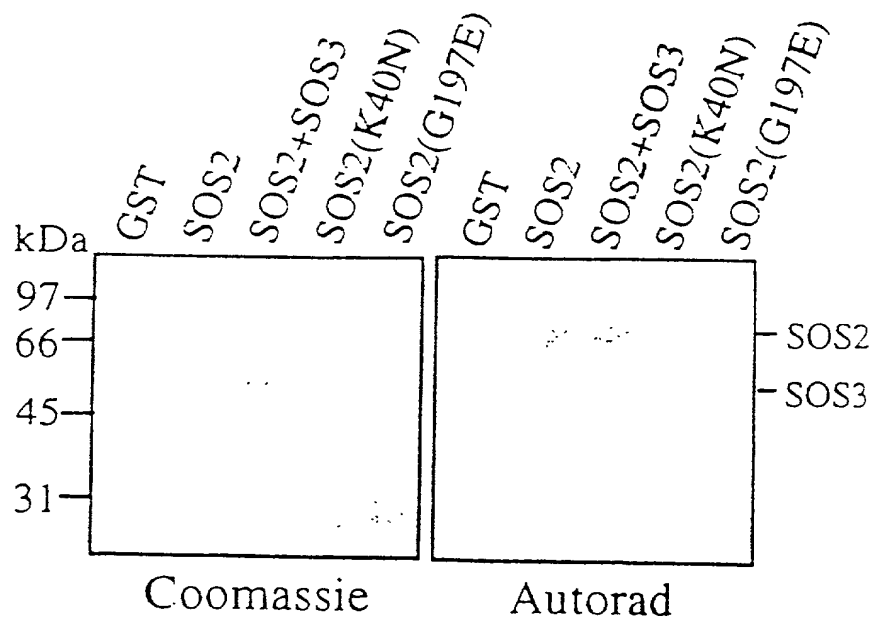


Figure 5

